# Zefeng (Daniel) Wang

(609) 454 1717 | wang.zef@northeastern.edu
50 Leon St #3203, Boston, MA 02115
Website: zefeng-wang.surge.sh || GitHub: zefwang

## Professional Summary

- Three years of experience with **Java** in the classroom and a working environment
- Experience with **Android Mobile Development** using **Android Studio**
- Basic knowledge of **Python** and **Web Development** languages
- Familiar with basic **SQL** using **MySQL**
- Knowledge of building and deploying using **Gradle** in Android Studio
- Familiar with **SDLC** and the **Agile** method
- Experience with **Git** (and **GitHub**) from **pair-programming** assignments

## SKILLS

- **Languages:** Familiar with Java | Knowledge of Python
- **Platforms:** Understanding of Android | Basic knowledge of Unix & MacOS
- **Web Technology:** HTML, CSS, JavaScript, JSON, XML
- **Databases:** MySQL
- **API:** REST APIs, Google Maps API, Java Swing Library, CKAN Action API, Documentum Foundation Classes
- **Design Patterns:** Factory, Builder, Singleton, Adapter, Strategy, Decorator,
- **IDE/Build Tools:** IntelliJ IDEA, Eclipse, Android Studio, Gradle
- **VCS:** Git, GitHub

## EDUCATION

**Northeastern University**, Boston, MA — May 2022
*Candidate for a BS in Computer Science and Business Administration, Concentration in Accounting*
**Overall | Major GPA:** 3.82 | 4.0
**Relevant Coursework:** Object Oriented Design, Fundamentals of Computer Science I and II, Discrete Structures, Linear Algebra, (In Progress) Algorithms and Data Structures, Database Design
**Honors and Awards:** Dean's List, International Scholar, Best Rookie Award (Hack Beanpot)
**Activities:** Sandbox – Developer in organization that builds custom software applications for researchers

**West Windsor Plainsboro High School South,** Princeton Junction, NJ — June 2018
*Alumnus*
**GPA:** 3.9 | 4.6

## EXPERIENCE

**DoubleBridge Technologies,** Princeton. NJ — July – August 2019
*Mobile App Development Intern*

- Researched and presented the use of Android Studio for mobile development in Java
- Developed an application that allows users to perform CRUD operations on MySQL database using a PHP framework
- Created another Android app that makes API calls asynchronously using REST API and parses through JSON data

**HackBeanpot Inc,** Boston, MA — May 2019 – Present
*Core Team - Sponsorship*

- Working in an agile environment to organize and run an annual hackathon for approximately 200 Boston students
- Designed a detailed sponsorship packet and reached out to dozens of companies for financial backing
- Leading a team of three in revamping the judging system for students' projects to be more holistic and efficient

## PROJECTS

**CrimePot** (Hack Beanpot) February 2019

- Implemented Google Maps API with HTML/CSS/JS to place markers representing crimes on a map of Boston based on values inputted by the user
- Used a RESTful API to make HTTP requests using the Flask microframework to retrieve data from the Boston government Crime Incidents Reports through a CKAN action API
- Filtered through JSON data based on user parameters and then converted to GeoJSON in Python through Flask

**ExCELlence – The Easy Animator** (Course Project) June 2019

- Created a program that allows a user to input instructions and returns an animation either in textual form, as an SVG file, or as a visual representation using Java's Swing library
- Added functionality that gives the user the ability to scroll through the animation, pause/play, loop, etc
- Organized the project using the MVC structure to ensure loose coupling and focus on object-oriented principles

**Light'em All** (Course Project) April 2019

- Developed a game in Java using Northeastern's Image Library that directs the user to rotate & connect pieces of a grid and move an object along the grid using mouse and key listeners
- Implemented Kruskal's algorithm to create a Minimum Spanning Tree that is randomized and a breadth first search algorithm to calculate the radius of the tree at any state of the game